LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103525.D
Acq On : 8 Mar 2018 19:09
Operator : SJ/JU
Sample : J1820-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.122	3	6	21	rVB	247278	375527	10.73%	1.126%
2	5.104	509	513	527	rBV	62709	107926	3.08%	0.323%
3	5.493	575	579	608	rBV	2469506	3466013	99.07%	10.389%
4	6.504	747	751	770	rBV	2523838	3498456	100.00%	10.486%
5	6.640	770	774	788	rVB	3108548	3381127	96.65%	10.134%
6	6.863	809	812	835	rVB	830112	941927	26.92%	2.823%
7	7.016	835	838	859	rBV	2289501	2607852	74.54%	7.817%
8	7.434	905	909	933	rBV	1780992	2425721	69.34%	7.271%
9	8.151	1027	1031	1050	rBV	810212	1229803	35.15%	3.686%
10	9.086	1186	1190	1199	rVB	129944	137076	3.92%	0.411%
11	9.222	1206	1213	1222	rBV	3058505	3294119	94.16%	9.874%
12	9.286	1222	1224	1228	rVV	48974	60727	1.74%	0.182%
13	9.328	1228	1231	1240	rVB	59324	71349	2.04%	0.214%
14	9.398	1240	1243	1251	rBV2	41741	84498	2.42%	0.253%
15	9.816	1311	1314	1318	rVB	60053	53307	1.52%	0.160%
16	9.904	1325	1329	1343	rBV	1043176	1092234	31.22%	3.274%
17	10.292	1391	1395	1397	rBV	59260	51288	1.47%	0.154%
18	10.316	1397	1399	1402	rVB	92492	71771	2.05%	0.215%
19	10.704	1461	1465	1477	rBV	1359077	1714506	49.01%	5.139%
20	10.792	1477	1480	1485	rVB2	54524	65788	1.88%	0.197%
21	10.898	1494	1498	1501	rBV	37241	35043	1.00%	0.105%
22	11.239	1550	1556	1560	rBV4	32295	46907	1.34%	0.141%
23	11.404	1580	1584	1586	rBV	776191	837412	23.94%	2.510%
24	11.427	1586	1588	1595	rVV2	210598	261137	7.46%	0.783%
25	11.486	1595	1598	1605	rVV2	30801	49893	1.43%	0.150%
26	11.545	1605	1608	1613	rVB	222823	183190	5.24%	0.549%
27	11.916	1667	1671	1673	rBV	695829	618996	17.69%	1.855%
28	11.945	1673	1676	1681	rVB	833033	741950	21.21%	2.224%
29	12.022	1686	1689	1691	rVV2	53055	71055	2.03%	0.213%
30	12.075	1695	1698	1701	rVB	48031	39323	1.12%	0.118%
31	12.463	1760	1764	1767	rVB2	76165	63723	1.82%	0.191%
32	12.545	1775	1778	1785	rVB6	24312	44069	1.26%	0.132%
33	12.622	1787	1791	1798	rBV	253695	270012	7.72%	0.809%
34	12.833	1824	1827	1829	rBV	159872	167646	4.79%	0.502%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103525.D
Acq On : 8 Mar 2018 19:09
Operator : SJ/JU
Sample : J1820-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.851	1829	1830	1836	rVB	222537	209713	5.99%	0.629%
36	12.986	1848	1853	1864	rBV	1973227	1977138	56.51%	5.926%
37	13.192	1882	1888	1891	rVB2	170190	188580	5.39%	0.565%
38	13.533	1943	1946	1952	rBV	156020	161317	4.61%	0.484%
39	13.863	1998	2002	2009	rBV	466904	535688	15.31%	1.606%
40	13.916	2009	2011	2016	rVB	34082	39049	1.12%	0.117%
41	14.057	2030	2035	2038	rBV2	738602	865039	24.73%	2.593%
42	14.180	2054	2056	2059	rVB2	41858	43253	1.24%	0.130%
43	14.492	2106	2109	2114	rBV4	52018	90991	2.60%	0.273%
44	15.121	2212	2216	2225	rBV	104063	244074	6.98%	0.732%
45	15.433	2266	2269	2276	rVB	65594	95206	2.72%	0.285%
46	15.498	2277	2280	2286	rVV	69240	118431	3.39%	0.355%
47	15.563	2286	2291	2303	rVB	411814	633166	18.10%	1.898%

Sum of corrected areas: 33363016

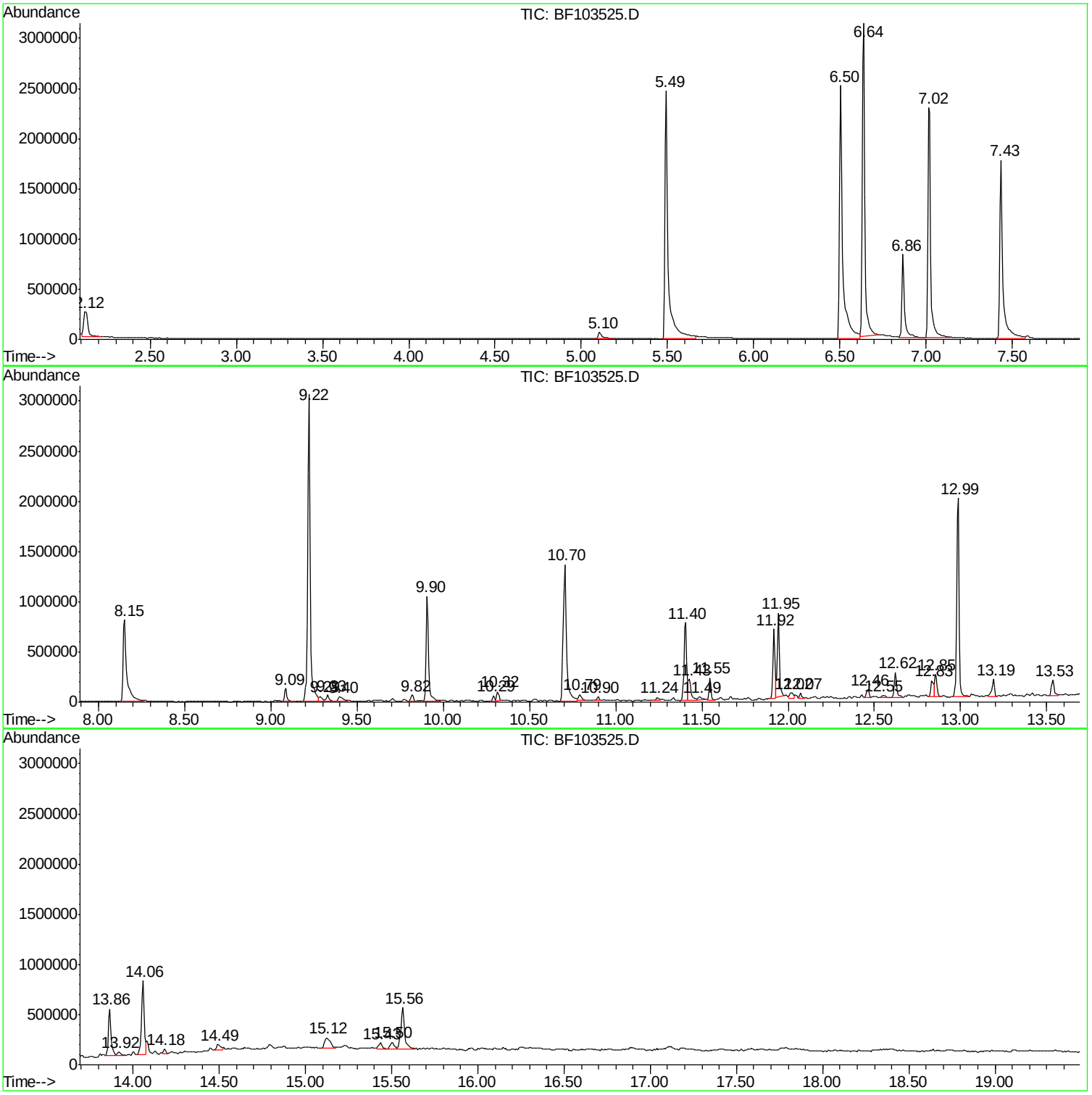
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103525.D
Acq On : 8 Mar 2018 19:09
Operator : SJ/JU
Sample : J1820-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103525.D
Acq On : 8 Mar 2018 19:09
Operator : SJ/JU
Sample : J1820-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

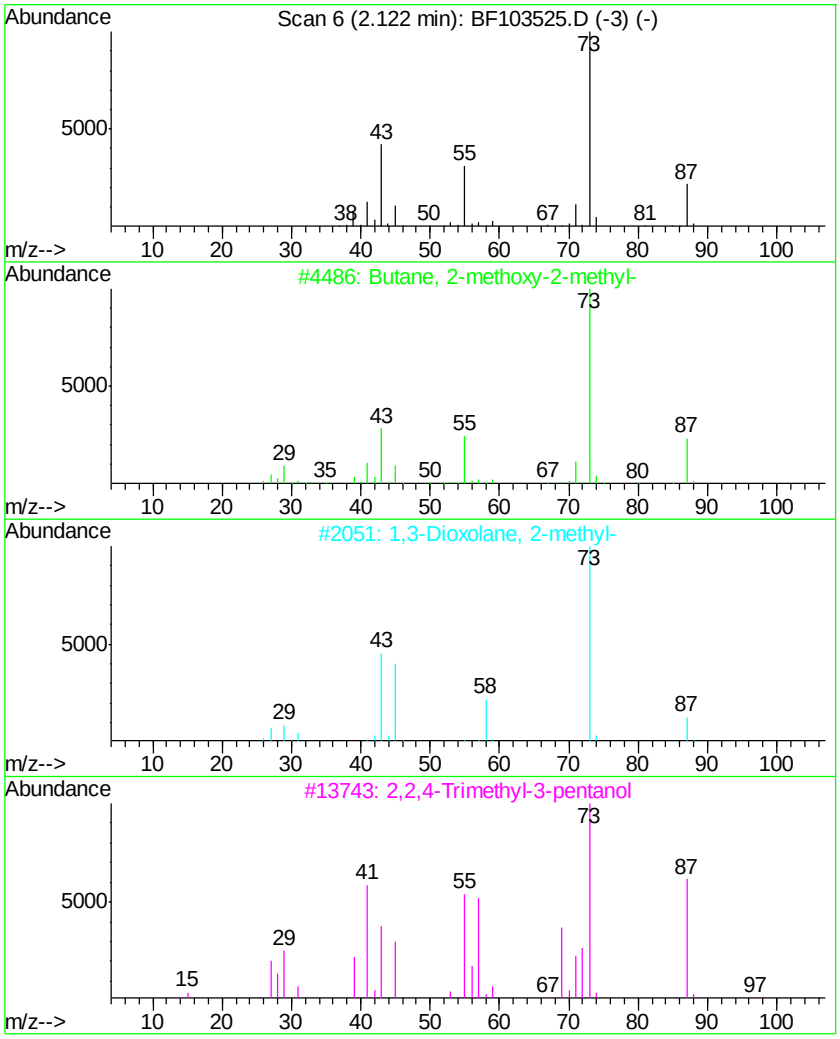
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

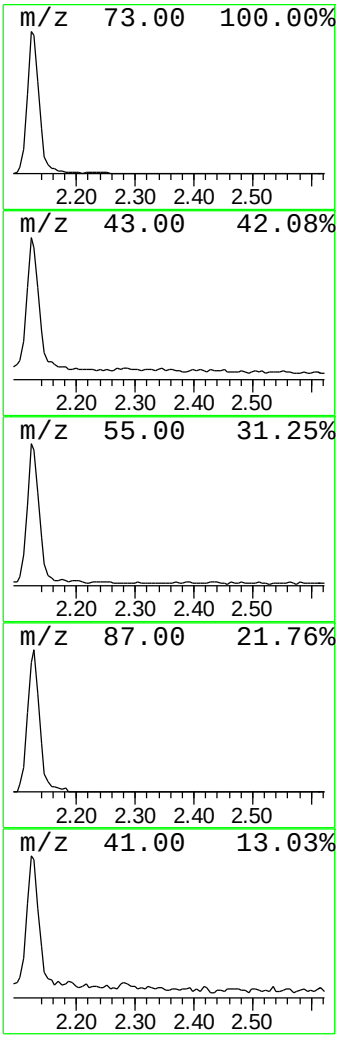
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	7.97 ng	375527	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	47
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103525.D
Acq On : 8 Mar 2018 19:09
Operator : SJ/JU
Sample : J1820-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

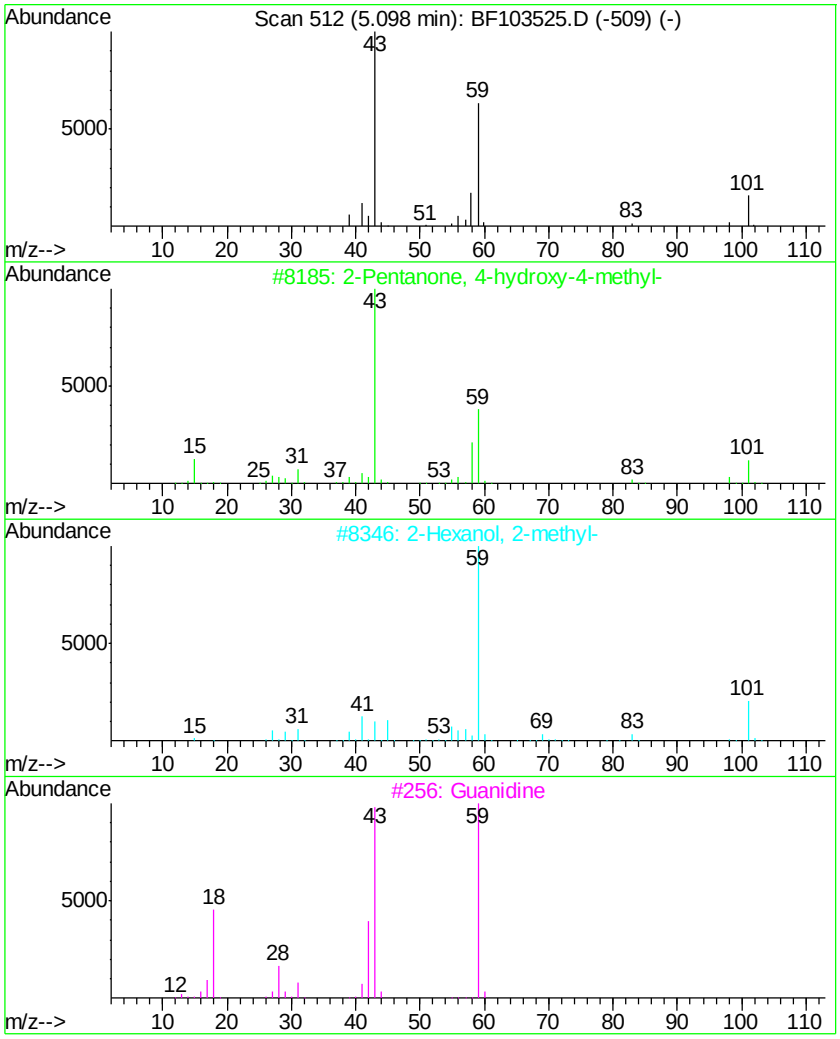
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

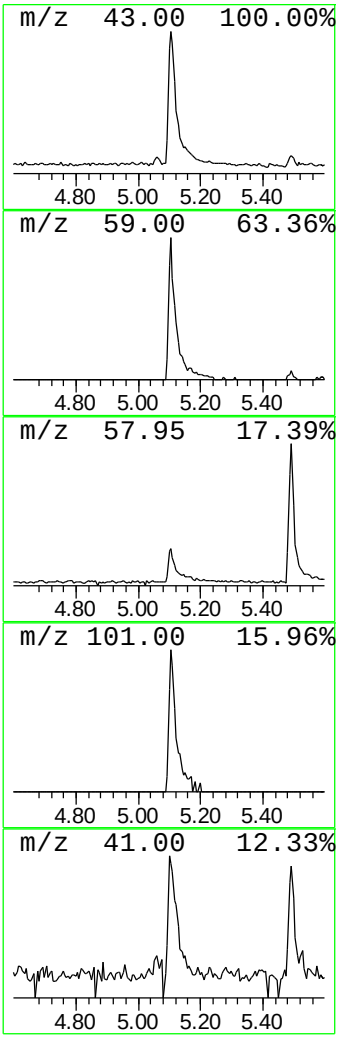
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	2.29 ng	107926	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3	Guanidine	59	CH5N3	000113-00-8	9
4	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	9
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103525.D
Acq On : 8 Mar 2018 19:09
Operator : SJ/JU
Sample : J1820-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

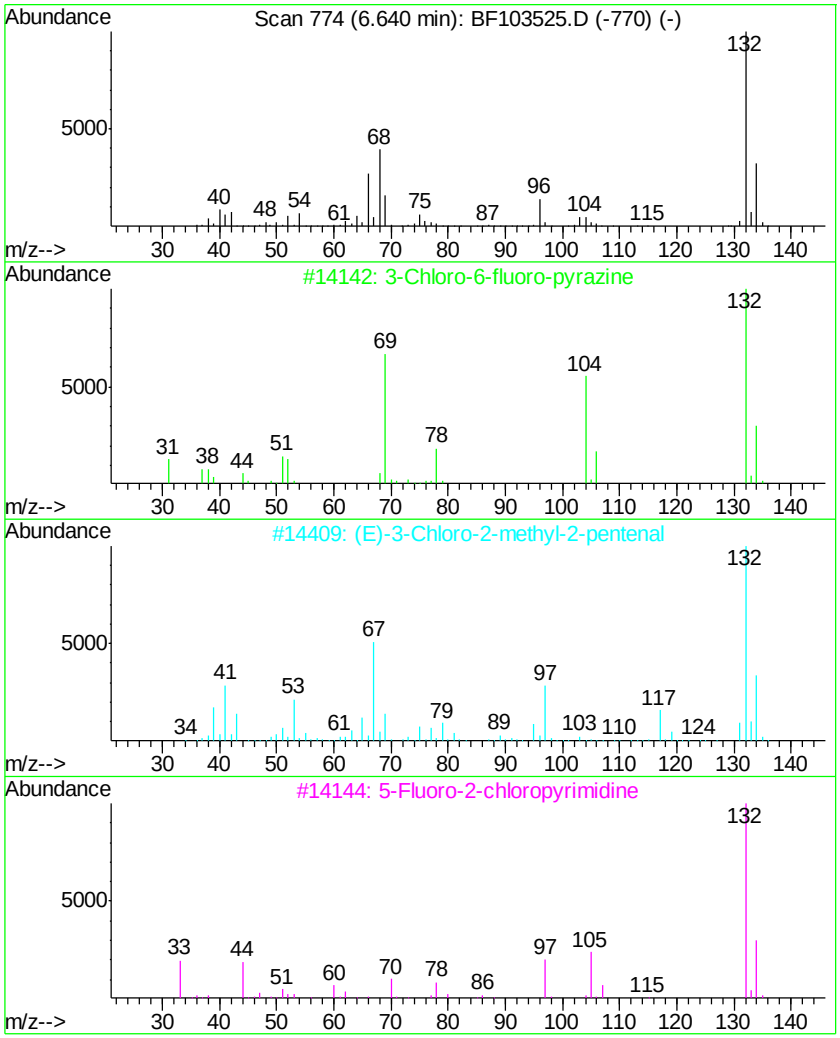
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

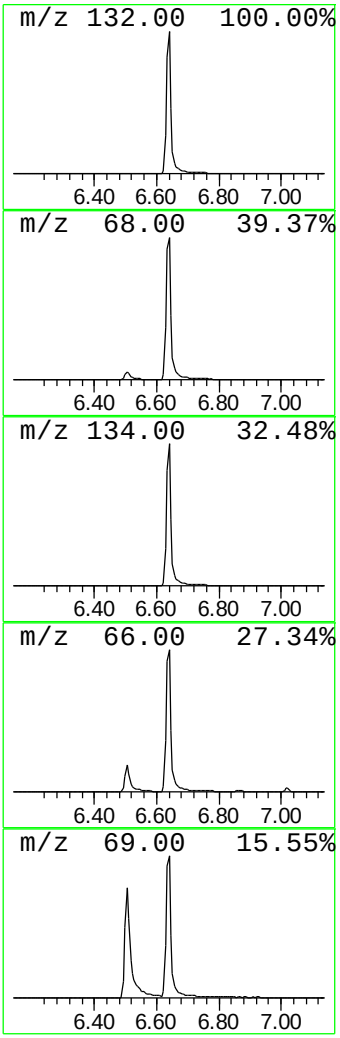
****

Peak Number 3 unknown6.64 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	71.79 ng	3381130	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103525.D
Acq On : 8 Mar 2018 19:09
Operator : SJ/JU
Sample : J1820-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

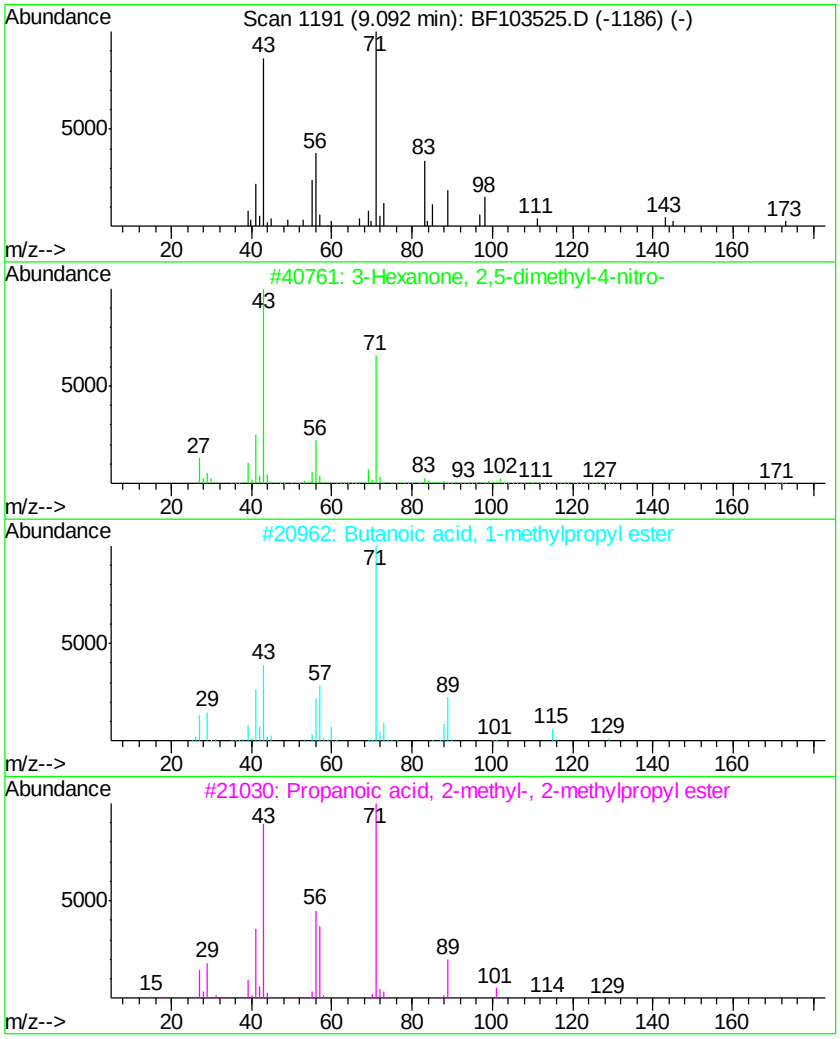
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

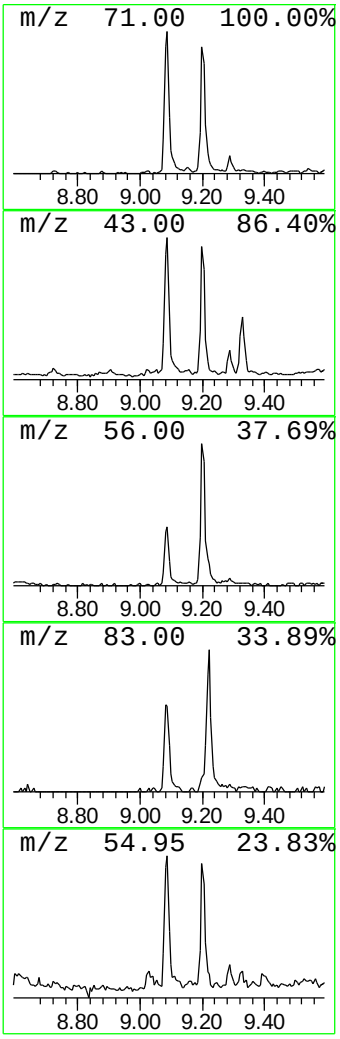
****

Peak Number 5 unknown9.09 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	2.51 ng	137076	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone, 2,5-dimethyl-4-nitro-	173	C8H15NO3	059906-54-6	43
2	Butanoic acid, 1-methylpropyl ester	144	C8H16O2	000819-97-6	42
3	Propanoic acid, 2-methyl-, 2-met...	144	C8H16O2	000097-85-8	40
4	2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	38
5	2,5-Dimethyl-1,5-hexadien-3-ol	126	C8H14O	017123-63-6	38





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103525.D
Acq On : 8 Mar 2018 19:09
Operator : SJ/JU
Sample : J1820-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

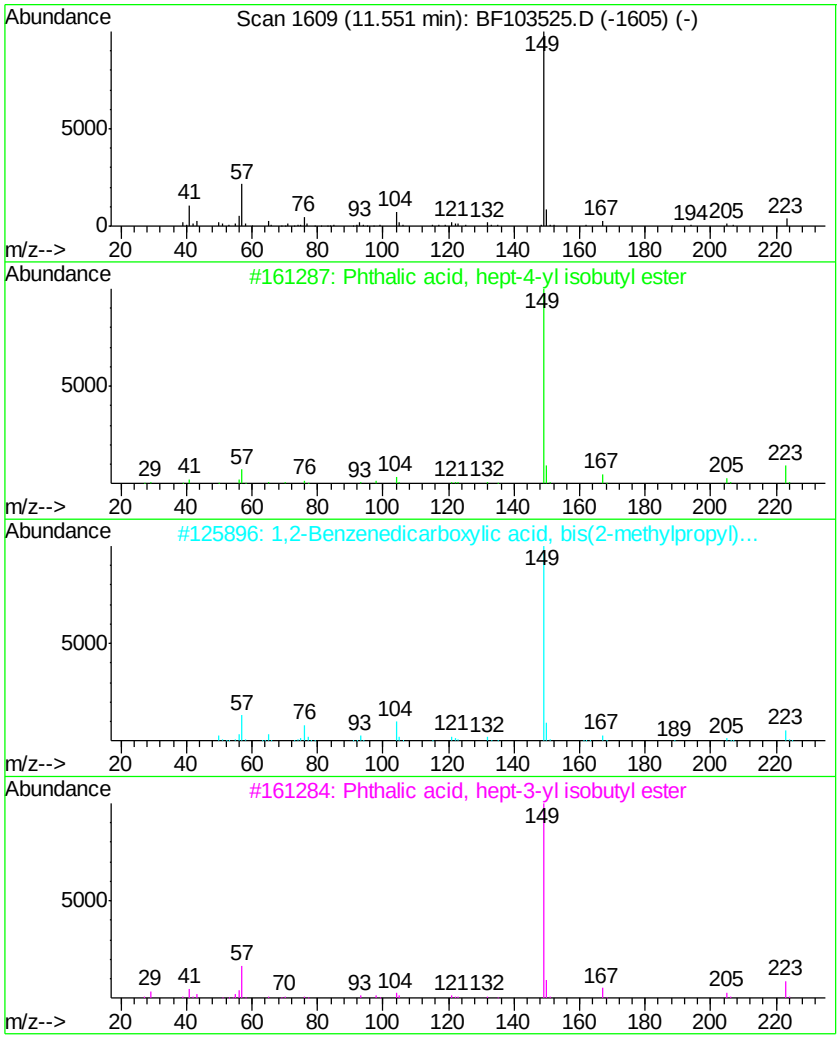
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

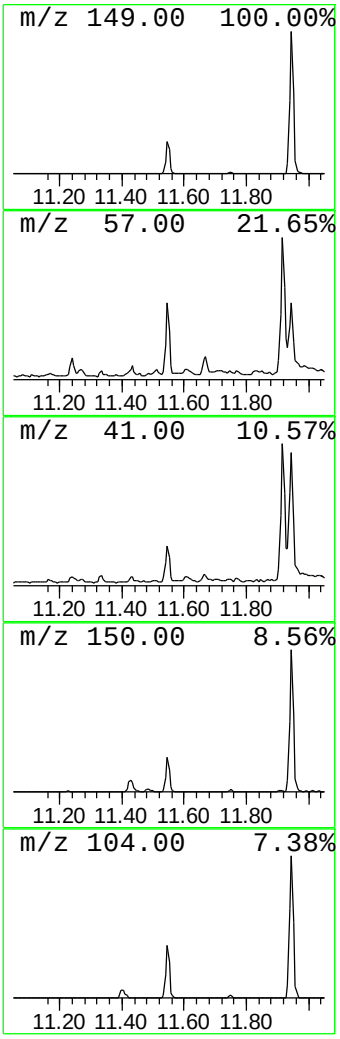
****

Peak Number 6 Phthalic acid, hept-4-yl is... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	4.38 ng	183190	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, hept-4-yl isobutyl...	320	C19H28O4	1000356-78-3	86
2	1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	86
3	Phthalic acid, hept-3-yl isobutyl...	320	C19H28O4	1000356-98-6	78
4	1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000084-78-6	78
5	Dibutyl phthalate	278	C16H22O4	000084-74-2	78





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103525.D
Acq On : 8 Mar 2018 19:09
Operator : SJ/JU
Sample : J1820-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

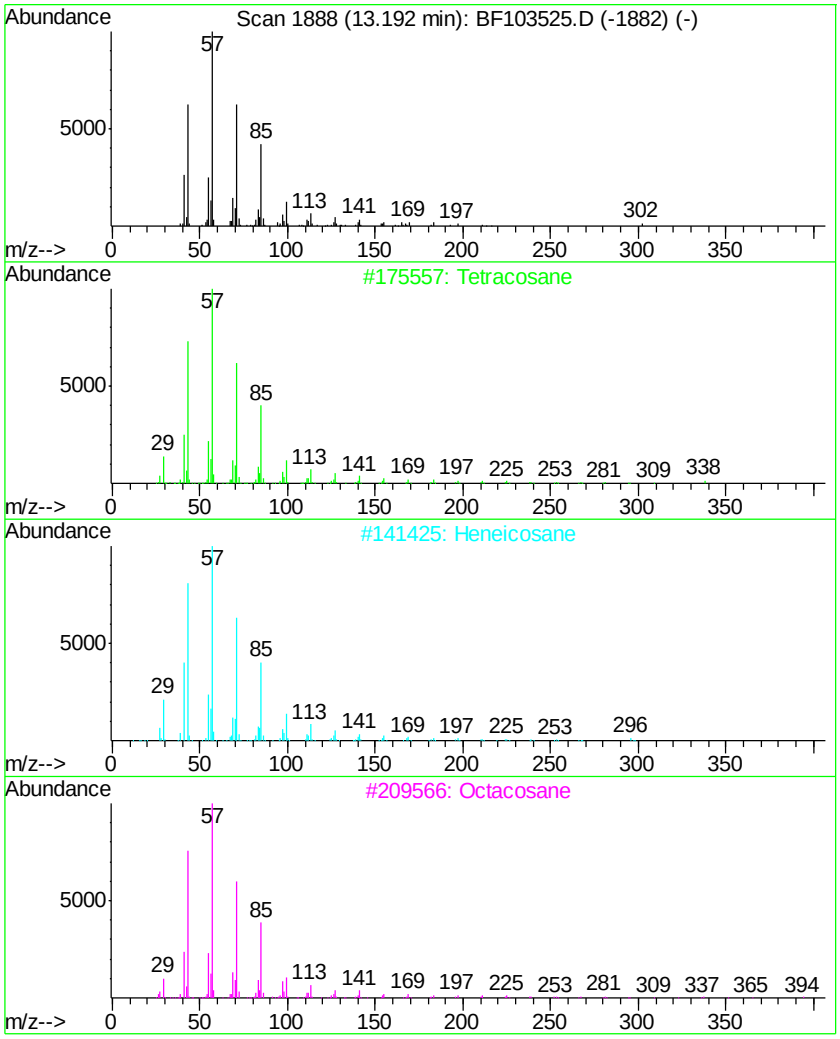
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

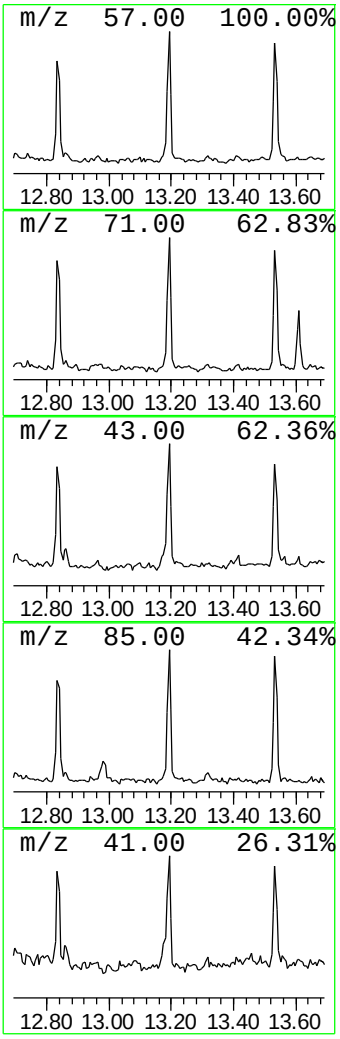
****

Peak Number 7 Tetracosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	4.36 ng	188580	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Octacosane	394	C28H58	000630-02-4	90
4	Hexacosane	366	C26H54	000630-01-3	87
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	86





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103525.D
Acq On : 8 Mar 2018 19:09
Operator : SJ/JU
Sample : J1820-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

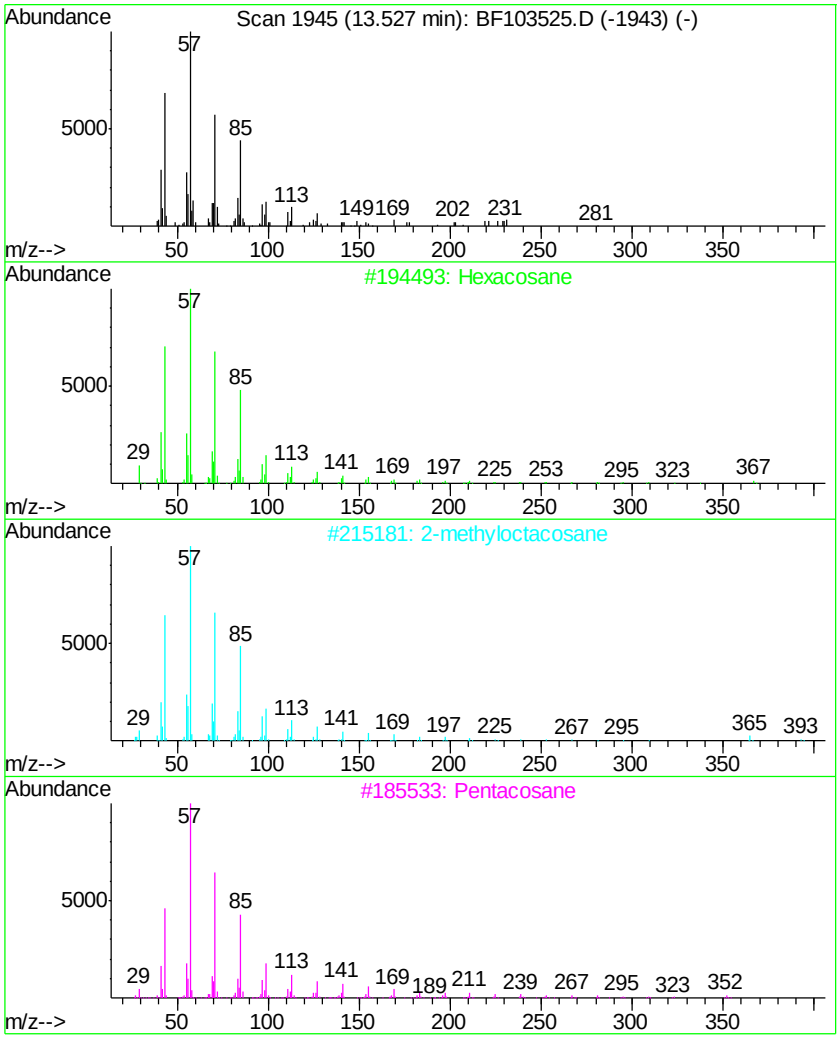
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

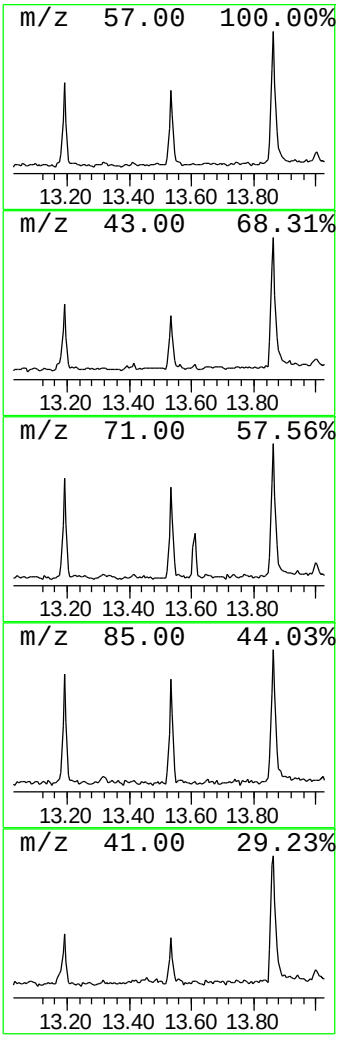
****

Peak Number 8 Hexacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	3.73 ng	161317	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	2-methyloctacosane	408	C29H60	1000376-72-8	91
3	Pentacosane	352	C25H52	000629-99-2	90
4	Heneicosane	296	C21H44	000629-94-7	83
5	Octadecane	254	C18H38	000593-45-3	80





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103525.D
Acq On : 8 Mar 2018 19:09
Operator : SJ/JU
Sample : J1820-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

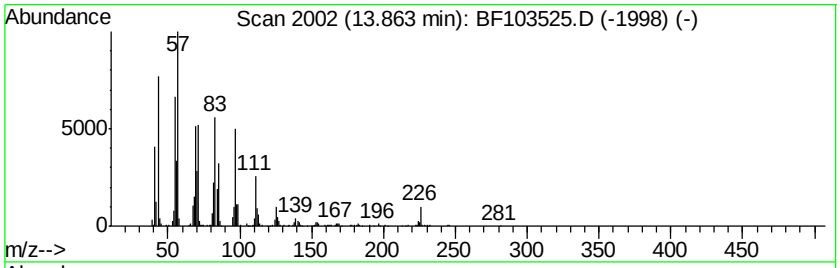
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

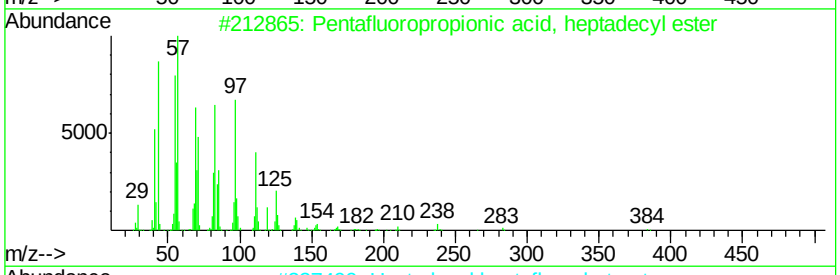
****

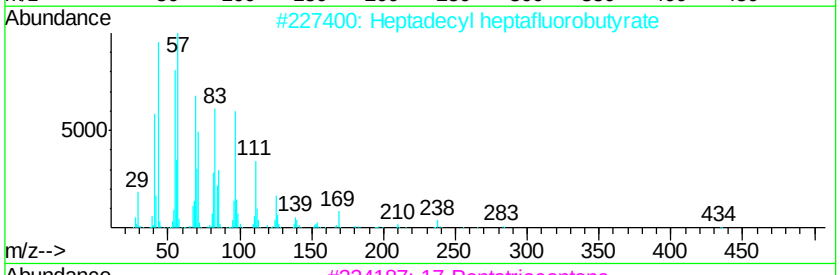
Peak Number 9 Pentafluoropropionic acid, ... Concentration Rank 3

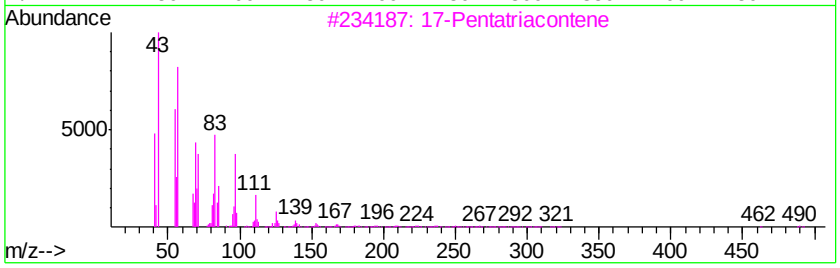
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	12.39 ng	535688	Chrysene-d12	14.06

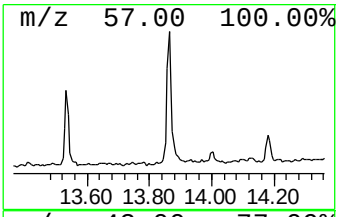
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	90
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	90
3	17-Pentatriacontene	491	C35H70	006971-40-0	90
4	Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	90
5	Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	90

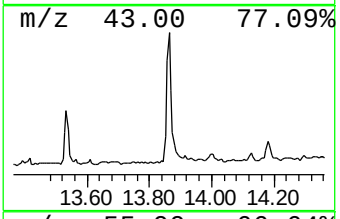


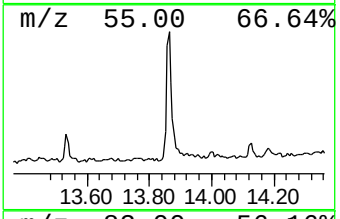


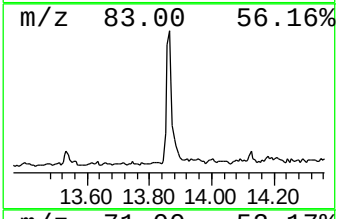


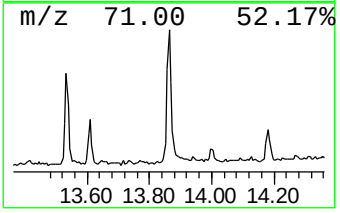












Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103525.D
Acq On : 8 Mar 2018 19:09
Operator : SJ/JU
Sample : J1820-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

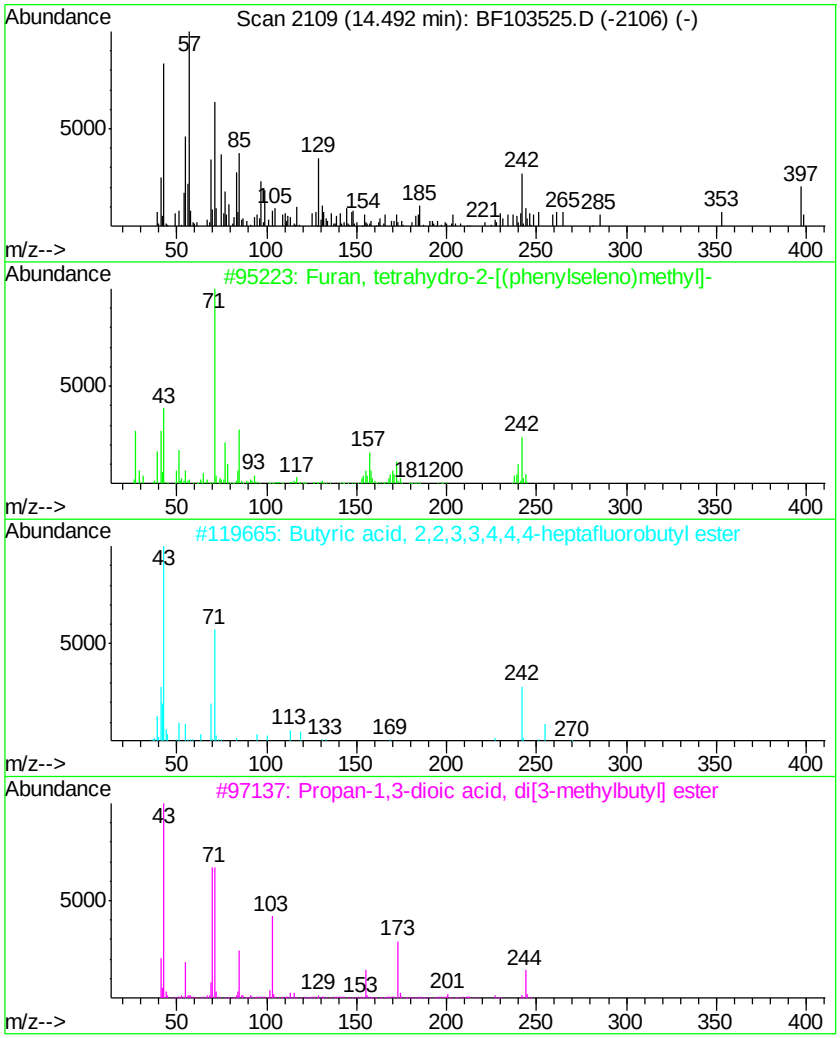
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

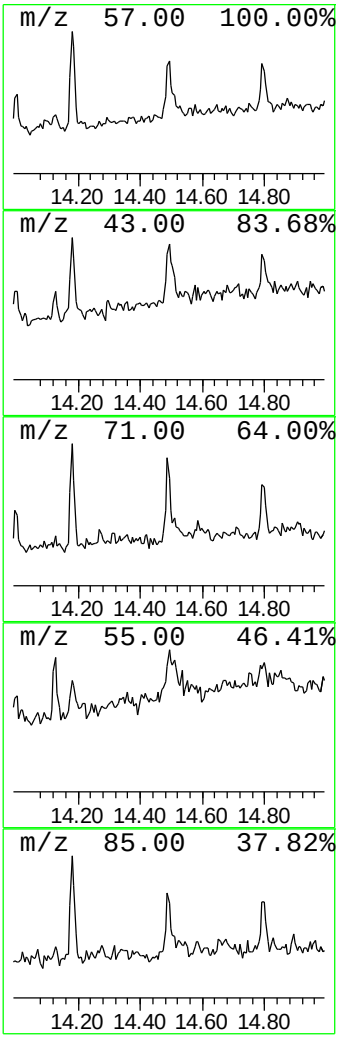
****

Peak Number 10 unknown14.49 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	2.10 ng	90991	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-2-[(phenylsele...	242	C11H14OSe	065539-72-2	23
2	Butyric acid, 2,2,3,3,4,4,4-hept...	270	C8H9F7O2	1000376-65-4	12
3	Propan-1,3-dioic acid, di[3-meth...	244	C13H24O4	064617-96-5	10
4	Chloroacetic acid, 3-tetradecyl ...	290	C16H31ClO2	1000280-08-5	9
5	Chloroacetic acid, 3-pentadecyl ...	304	C17H33ClO2	1000280-08-8	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103525.D
Acq On : 8 Mar 2018 19:09
Operator : SJ/JU
Sample : J1820-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

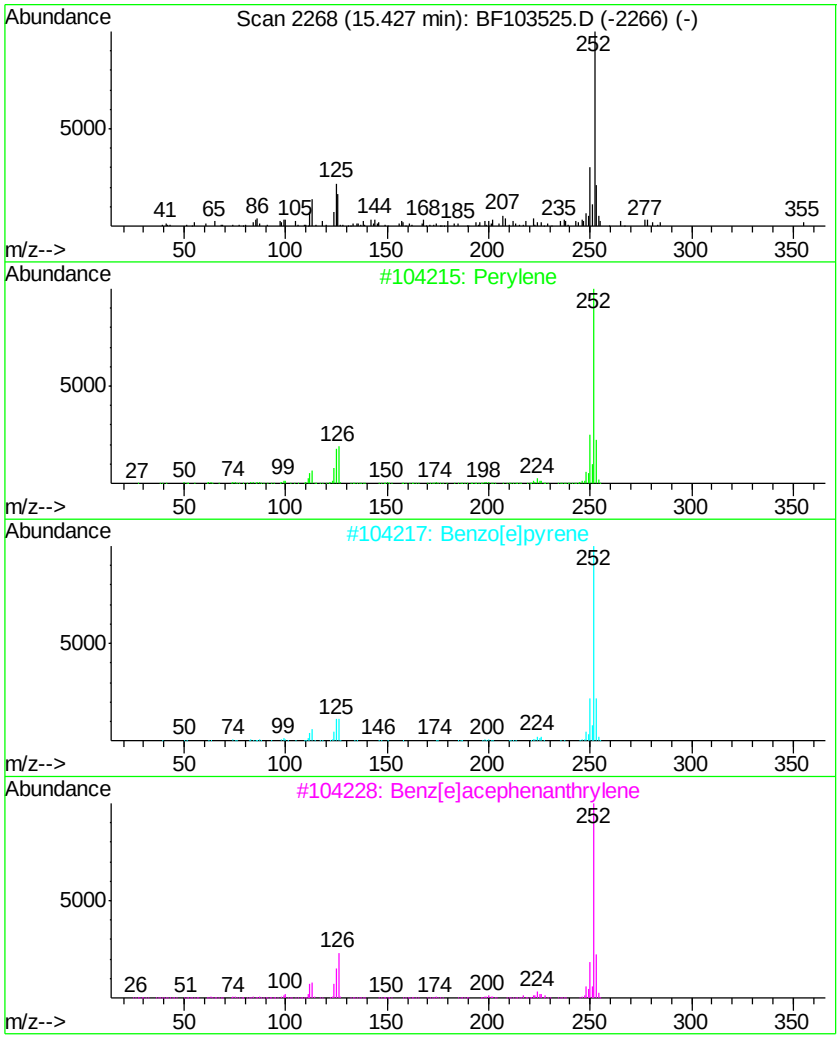
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

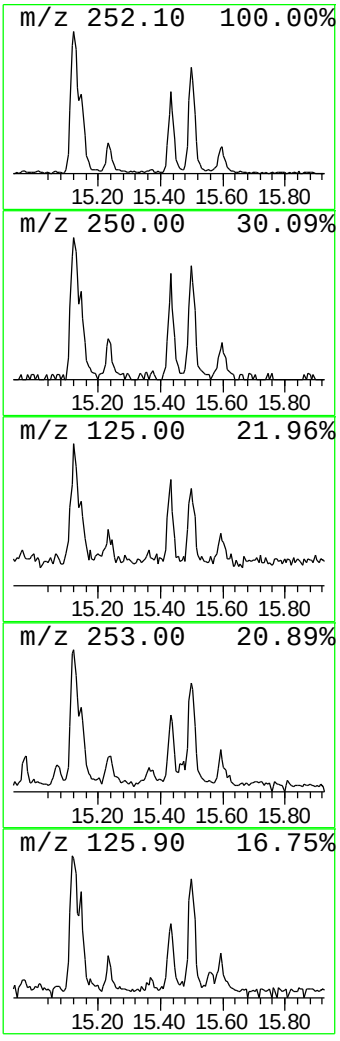
****

Peak Number 11 Perylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	3.01 ng	95206	Perylene-d12	15.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF030818\
Data File : BF103525.D
Acq On : 8 Mar 2018 19:09
Operator : SJ/JU
Sample : J1820-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.12	8.0	ng	375527	1	6.86	941927	20.0
2-Pentanone, 4-hy...	5.10	2.3	ng	107926	1	6.86	941927	20.0
unknown6.64	6.64	71.8	ng	3381130	1	6.86	941927	20.0
unknown9.09	9.09	2.5	ng	137076	3	9.90	1092230	20.0
Phthalic acid, he...	11.55	4.4	ng	183190	4	11.40	837412	20.0
Tetracosane	13.19	4.4	ng	188580	5	14.06	865039	20.0
Hexacosane	13.53	3.7	ng	161317	5	14.06	865039	20.0
Pentafluoropropio...	13.86	12.4	ng	535688	5	14.06	865039	20.0
unknown14.49	14.49	2.1	ng	90991	5	14.06	865039	20.0
Perylene	15.43	3.0	ng	95206	6	15.56	633166	20.0